ELSEVIER

Journal of Non-Crystalline Solids 224 (1998) 309–311

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index

Anderson, T.S., R.H. Magruder III, D.L. Kinser, J.E. Wittig, R.A. Zuhr and D.K. Thomas, AG:CD and CD:AG implantations into high purity silica 224 (1998) 299
Antonioli, G., see Manzini, I. 224 (1998) 23
Arekat, S.R., Optical absorption in novel a-Si, S:F, H alloys 224 (1998) 201
Astrakas, L., see Mitrikas, G. 224 (1998) 17

Babonneau, F., see Soraru, G.D. 224 (1998) 173
Bakai, A.S., see Naundorf, V. 224 (1998) 122
Barker, J.G., see Merzbacher, C.I. 224 (1998) 92
Barz, A., see Hoppe, U. 224 (1998) 153
Bayon, J.-F., see Cordier, P. 224 (1998) 277
Bender, S., see Kohn, S. 224 (1998) 232
Berger, R., see Boudlich, D. 224 (1998) 135
Bernage, P., see Cordier, P. 224 (1998) 277
Bertagnolli, H., see Neuefeind, J. 224 (1998) 205
Bezmen, N.I., see Zavel'sky, V.O. 224 (1998) 225
Boivin, J.C., see Mercier, C. 224 (1998) 163
Bolotov, A., see Mamedov, S. 224 (1998) 89
Boudlich, D., M. Haddad, A. Nadiri, R. Berger and J. Kliava, Mo^{5+} ions as EPR structural probes in molybdenum phosphate glasses 224 (1998) 135
Boukos, N., see Mitrikas, G. 224 (1998) 17
Brinker, L., see Mamedov, S. 224 (1998) 89
Butler, T.M., B.D. MacCraith and C. McDonagh, Leaching in sol–gel-derived silica films for optical pH sensing 224 (1998) 249

Chen, H., see Zhu, D.-M. 224 (1998) 97
Chin, T.S., see Shih, P.Y. 224 (1998) 143
Claes, P., see Tilquin, J.-Y. 224 (1998) 216
Clayden, N.J., S. Esposito, U.A. Jayasooriya, J. Sprunt and P. Pernice, Solid state ^{29}Si NMR and FT Raman spectroscopy of the devitrification of lithium metasilicate glass 224 (1998) 50
Cordier, P., C. Dalle, C. Depecker, P. Bernage, M. Douay, P. Niay, J.-F. Bayon and L. Dong, UV-induced reaction of H_2 with germanosilicate and aluminosilicate glasses 224 (1998) 277

Dalle, C., see Cordier, P. 224 (1998) 277
Deckwerth, M., see Lederer, K. 224 (1998) 103
Deckwerth, M., see Lederer, K. 224 (1998) 109
Dembovsky, S.A., see Zyubin, A.S. 224 (1998) 291
Depecker, C., see Cordier, P. 224 (1998) 277
Dianov, E.M., V.O. Sokolov and V.B. Sulimov, Calculation of soft atomic potentials formed by three-center bonds in germanosilicate glass 224 (1998) 191
Dong, L., see Cordier, P. 224 (1998) 277
Douay, M., see Cordier, P. 224 (1998) 277
Duveiller, P., see Tilquin, J.-Y. 224 (1998) 216

Eckert, H., see Hudalla, C. 224 (1998) 69
Esposito, S., see Clayden, N.J. 224 (1998) 50

Fondeur, F. and B.S. Mitchell, Infrared studies of preparation effects in calcium aluminate glasses 224 (1998) 184
Franke, R., see Kohn, S. 224 (1998) 232

Glibert, J., see Tilquin, J.-Y. 224 (1998) 216

Haddad, M., see Boudlich, D. 224 (1998) 135
Heczko, O., see Ruuskanen, P. 224 (1998) 36
Henderson, D.O., see Wang, P.W. 224 (1998) 31
Hoffbauer, W., see Kohn, S. 224 (1998) 232
Holland, D., see Iqbal, Y. 224 (1998) 1
Hoppe, U., G. Walter, R. Kranold, D. Stachel and A. Barz, X-ray diffraction study on the mixed alkali–alkaline earth effect in Ba, Na metaphosphate glasses 224 (1998) 153
Hosono, H., see Tanaka, K. 224 (1998) 43
Hudalla, C., B. Weber and H. Eckert, Glass formation and local structure in the ternary system P–Se–Al. Solid state NMR studies 224 (1998) 69

Iqbal, Y., W.E. Lee, D. Holland and P.F. James, Metastable phase formation in the early stage crystallisation of lithium disilicate glass 224 (1998) 1

James, P.F., see Iqbal, Y. 224 (1998) 1
Jansen, M., see Kohn, S. 224 (1998) 232
Jayasooriya, U.A., see Clayden, N.J. 224 (1998) 50
Jean Vicens,, see Soraru, G.D. 224 (1998) 173

Kinser, D.L., see Anderson, T.S. 224 (1998) 299
Kisliuk, A., see Mamedov, S. 224 (1998) 89

Kliava, J., see Boudlich, D. 224 (1998) 135
Kohn, S., W. Hoffbauer, M. Jansen, R. Franke and S. Bender, Evidence for the formation of SiON glasses 224 (1998) 232
Kondakova, O.A., see Zyubin, A.S. 224 (1998) 291
Kordas, G., see Mitrikas, G. 224 (1998) 17
Kotsalas, I.P., see Nesheva, D. 224 (1998) 283
Kranold, R., see Hoppe, U. 224 (1998) 153

Lai, J.K.L., see Shek, C.H. 224 (1998) 244
Lazarev, N., see Naundorf, V. 224 (1998) 122
Lederer, K., M. Deckwerth and C. Rüssel, Zirconia-doped Mg–Ca–Al–Si–O–N glasses: preparation and properties 224 (1998) 103
Lederer, K., M. Deckwerth and C. Rüssel, Zirconia-doped Mg–Ca–Al–Si–O–N glasses: crystallization 224 (1998) 109
Lee, K.L., see Shek, C.H. 224 (1998) 244
Lee, W.E., see Iqbal, Y. 224 (1998) 1
Legrand, A.P., see Mercier, C. 224 (1998) 163
Lemke, A., see Neuefeind, J. 224 (1998) 205
Lin, G.M., see Shek, C.H. 224 (1998) 244
Lottici, P.P., see Manzini, I. 224 (1998) 23

MacCraith, B.D., see Butler, T.M. 224 (1998) 249
Macht, M.-P., see Naundorf, V. 224 (1998) 122
Magruder III, R.H., see Anderson, T.S. 224 (1998) 299
Mamedov, S., A. Bolotov, L. Brinker, A. Kisliuk and M. Soltwisch, Medium-range order in As_2S_3–CuI glasses 224 (1998) 89
Manzini, I., P.P. Lottici and G. Antonioli, EXAFS at the Bi L_{III} edge in $Bi_4Ge_3O_{12}$ and in xBi_2O_3-$(100-x)GeO_2$ glasses 224 (1998) 23
Maurina, S., see Soraru, G.D. 224 (1998) 173
McDonagh, C., see Butler, T.M. 224 (1998) 249
McMillan, P.F., R.K. Sato and B.T. Poe, Structural characterization of Si–Al–O–N glasses 224 (1998) 267
Mercier, C., L. Montagne, H. Sfihi, G. Palavit, J.C. Boivin and A.P. Legrand, Local structure of zinc ultraphosphate glasses containing large amount of hydroxyl groups: ^{31}P and ^{1}H solid state nuclear magnetic resonance investigation 224 (1998) 163
Merzbacher, C.I., J.G. Barker, K.E. Swider and D.R. Rolison, Effect of re-wetting on silica aerogel structure: a SANS study 224 (1998) 92
Mitchell, B.S., see Fondeur, F. 224 (1998) 184
Mitrikas, G., C.C. Trapalis, N. Boukos, V. Psyharis, L. Astrakas and G. Kordas, Size distribution and EPR of silver nanoparticles in SiO_2 matrix 224 (1998) 17
Montagne, L., see Mercier, C. 224 (1998) 163

Nadiri, A., see Boudlich, D. 224 (1998) 135
Naundorf, V., M.-P. Macht, A.S. Bakai and N. Lazarev, The pre-factor, D_0, of the diffusion coefficient in amorphous alloys and in grain boundaries 224 (1998) 122
Nesheva, D., I.P. Kotsalas, C. Raptis and E. Vateva, On the structural stability of amorphous Se/CdSe multilayers: a Raman study 224 (1998) 283
Neuefeind, J., K. Tödheide, A. Lemke and H. Bertagnolli, The structure of molten $ZnCl_2$ 224 (1998) 205
Niay, P., see Cordier, P. 224 (1998) 277

Palavit, G., see Mercier, C. 224 (1998) 163
Pernice, P., see Clayden, N.J. 224 (1998) 50
Poe, B.T., see McMillan, P.F. 224 (1998) 267
Psyharis, V., see Mitrikas, G. 224 (1998) 17

Qi, Y., see Wang, P.W. 224 (1998) 31

Raptis, C., see Nesheva, D. 224 (1998) 283
Rolison, D.R., see Merzbacher, C.I. 224 (1998) 92
Rüssel, C., see Lederer, K. 224 (1998) 103
Rüssel, C., see Lederer, K. 224 (1998) 109
Ruuskanen, P. and O. Heczko, Formation of amorphous $Fe_{1-x}B_x$ alloys during solid state alloying with hexane 224 (1998) 36

Sato, R.K., see McMillan, P.F. 224 (1998) 267
Schaller, T., see Toplis, M.J. 224 (1998) 57
Sen, S., see Stebbins, J.F. 224 (1998) 80
Sfihi, H., see Mercier, C. 224 (1998) 163
Shek, C.H., G.M. Lin, K.L. Lee and J.K.L. Lai, Fractal fracture of amorphous $Fe_{46}Ni_{32}V_2Si_{14}B_6$ alloy 224 (1998) 244
Shih, P.Y., S.W. Yung and T.S. Chin, Thermal and corrosion behavior of P_2O_5–Na_2O–CuO glasses 224 (1998) 143
Shneidman, V.A. and D.R. Uhlmann, Does a Lennard-Jones glass exist? 224 (1998) 86
Sokolov, V.O., see Dianov, E.M. 224 (1998) 191
Soltwisch, M., see Mamedov, S. 224 (1998) 89
Soraru, G.D., F. Babonneau, S. Maurina and Jean Vicens, Sol–gel synthesis of SiBOC glasses 224 (1998) 173
Sprunt, J., see Clayden, N.J. 224 (1998) 50
Stachel, D., see Hoppe, U. 224 (1998) 153
Stebbins, J.F. and S. Sen, Microscopic dynamics and viscous flow in a borosilicate glass-forming liquid 224 (1998) 80
Sulimov, V.B., see Dianov, E.M. 224 (1998) 191
Swider, K.E., see Merzbacher, C.I. 224 (1998) 92

Tanaka, K., N. Toyosawa and H. Hosono, Photoconduction in multicomponent oxide glasses 224 (1998) 43
Thomas, D.K., see Anderson, T.S. 224 (1998) 299
Tilquin, J.-Y., P. Duveiller, J. Glibert and P. Claes, Comparison between high temperature UV-visible spectroscopy and electrochemistry for the in situ study of redox equilibria in glass-forming melts 224 (1998) 216
Tödheide, K., see Neuefeind, J. 224 (1998) 205

Toplis, M.J. and T. Schaller, A ^{31}P MAS NMR study of glasses in the system $xNa_2O-(1-x)Al_2O_3-2SiO_2-yP_2O_5$ 224 (1998) 57
Toyosawa, N., see Tanaka, K. 224 (1998) 43
Trapalis, C.C., see Mitrikas, G. 224 (1998) 17

Uhlmann, D.R., see Shneidman, V.A. 224 (1998) 86

Vateva, E., see Nesheva, D. 224 (1998) 283

Walter, G., see Hoppe, U. 224 (1998) 153
Wang, P.W., Y. Qi and D.O. Henderson, Oxygen bonding in GeO_2 glass 224 (1998) 31
Wang, S.-Y. and N.-L. Wu, Tin oxide gel shrinkage during CO_2 supercritical drying 224 (1998) 259
Weber, B., see Hudalla, C. 224 (1998) 69
Wittig, J.E., see Anderson, T.S. 224 (1998) 299
Wu, N.-L., see Wang, S.-Y. 224 (1998) 259

Yung, S.W., see Shih, P.Y. 224 (1998) 143

Zavel'sky, V.O., N.I. Bezmen and V.A. Zharikov, Water in albite glasses: OH-groups, isolated molecules, and clusters 224 (1998) 225
Zharikov, V.A., see Zavel'sky, V.O. 224 (1998) 225
Zhu, D.-M. and H. Chen, Low temperature specific heat and fragility of glasses 224 (1998) 97
Zuhr, R.A., see Anderson, T.S. 224 (1998) 299
Zyubin, A.S., S.A. Dembovsky and O.A. Kondakova, Quantum chemical study of the network modification in vitreous B_2O_3 224 (1998) 291

ELSEVIER

Journal of Non-Crystalline Solids 224 (1998) 312–314

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject index

Aerogels
Surface Reactions, Water in Glass 224 (1998) 92

Alkali Silicate Glasses
Differential Thermal Analysis, Nuclear Magnetic Resonance, Raman Spectra 224 (1998) 50
Glasses Containing Transition Metal Ions, Liquids, Oxidation, Reduction, Voltammetry 224 (1998) 216

Alloys
Carbon, Differential Thermal Analysis, Mechanical Amorphization, X-ray Diffraction 224 (1998) 36
Fractals, Fracture, Relaxation 224 (1998) 244

Amorphous Alloys
Diffusion 224 (1998) 122

Borates
Modelling 224 (1998) 291

Carbon
Alloys, Differential Thermal Analysis, Mechanical Amorphization, X-ray Diffraction 224 (1998) 36

Chalcogenides
Crystallization, Photoinduced Effects, Thin Films 224 (1998) 283

Chalcogenide Glasses
Medium-Range Order, X-ray Diffraction 224 (1998) 89
Nuclear Magnetic Resonance, Phosphates, Structure 224 (1998) 69

Colloids
Electron Spin Resonance, Sol–Gel Processes 224 (1998) 17
Ion Implantation, Optical Properties 224 (1998) 299

Coordination
Germania, XPS 224 (1998) 31

Corrosion
Doping, Sol–Gel Processes 224 (1998) 249
Glass Formation, Phosphates 224 (1998) 143

Crystallization
Chalcogenides, Photoinduced Effects, Thin Films 224 (1998) 283

Glass Ceramics, Nucleation 224 (1998) 1
Nitrogen-Containing Glass 224 (1998) 103
Nitrogen-Containing Glass 224 (1998) 109

Defects
Germanates, Modelling, Silicates 224 (1998) 191

Differential Thermal Analysis
Alkali Silicate Glasses, Nuclear Magnetic Resonance, Raman Spectra 224 (1998) 50
Alloys, Carbon, Mechanical Amorphization, X-ray Diffraction 224 (1998) 36

Diffusion
Amorphous Alloys 224 (1998) 122

Doping
Corrosion, Sol–Gel Processes 224 (1998) 249

Drying
Sol–Gel Processes, Tin Oxide 224 (1998) 259

Dynamical Properties
Liquids, Nuclear Magnetic Resonance, Oxides 224 (1998) 80

Electron Spin Resonance
Colloids, Sol–Gel Processes 224 (1998) 17
Glasses Containing Transition Metal Ions, Phosphates 224 (1998) 135

EXAFS
Germania, Structure 224 (1998) 23

Fibers
Hydrogen in Glass, Photoinduced Effects 224 (1998) 277

Forming
Nitridation, Nuclear Magnetic Resonance, XANES 224 (1998) 232

Fractals
Alloys, Fracture, Relaxation 224 (1998) 244

Fracture
Alloys, Fractals, Relaxation 224 (1998) 244

Fragility
Specific Heat 224 (1998) 97

Germanates
Defects, Modelling, Silicates 224 (1998) 191

Germania
Coordination, XPS 224 (1998) 31
EXAFS, Structure 224 (1998) 23

Glass Ceramics
Crystallization, Nucleation 224 (1998) 1

Glass Formation
Corrosion, Phosphates 224 (1998) 143
Nitrogen-Containing Glass 224 (1998) 267

Glasses Containing Transition Metal Ions
Alkali Silicate Glasses, Liquids, Oxidation, Reduction, Voltammetry 224 (1998) 216
Electron Spin Resonance, Phosphates 224 (1998) 135

Halide Glasses
Liquids, Structure 224 (1998) 205

Hydrogen Effects
Nuclear Magnetic Resonance, Phosphates 224 (1998) 163

Hydrogen in Glass
Fibers, Photoinduced Effects 224 (1998) 277

Infra-red Absorption
Processing Variables, Structure 224 (1998) 184

Ion Implantation
Colloids, Optical Properties 224 (1998) 299

Liquids
Alkali Silicate Glasses, Glasses Containing Transition Metal Ions, Oxidation, Reduction, Voltammetry 224 (1998) 216
Dynamical Properties, Nuclear Magnetic Resonance, Oxides 224 (1998) 80
Halide Glasses, Structure 224 (1998) 205
Modelling, Molecular Dynamics Simulation 224 (1998) 86

Mechanical Amorphization
Alloys, Carbon, Differential Thermal Analysis, X-ray Diffraction 224 (1998) 36

Medium-Range Order
Chalcogenide Glasses, X-ray Diffraction 224 (1998) 89

Mixed-Alkali Effect
Oxides, Phosphates, X-ray Diffraction 224 (1998) 153

Modelling
Borates 224 (1998) 291
Defects, Germanates, Silicates 224 (1998) 191
Liquids, Molecular Dynamics Simulation 224 (1998) 86

Molecular Dynamics Simulation
Liquids, Modelling 224 (1998) 86

Nitridation
Forming, Nuclear Magnetic Resonance, XANES 224 (1998) 232

Nitrogen-Containing Glass
Crystallization 224 (1998) 103
Crystallization 224 (1998) 109
Glass Formation 224 (1998) 267

Nuclear Magnetic Resonance
Alkali Silicate Glasses, Differential Thermal Analysis, Raman Spectra 224 (1998) 50
Chalcogenide Glasses, Phosphates, Structure 224 (1998) 69
Dynamical Properties, Liquids, Oxides 224 (1998) 80
Forming, Nitridation, XANES 224 (1998) 232
Hydrogen Effects, Phosphates 224 (1998) 163
Oxides, Phosphates 224 (1998) 57
Silicates, Structure, Water in Glass 224 (1998) 225

Nucleation
Crystallization, Glass Ceramics 224 (1998) 1

Optical Properties
Colloids, Ion Implantation 224 (1998) 299
Silicon Alloys 224 (1998) 201

Oxidation
Alkali Silicate Glasses, Glasses Containing Transition Metal Ions, Liquids, Reduction, Voltammetry 224 (1998) 216

Oxides
Dynamical Properties, Liquids, Nuclear Magnetic Resonance 224 (1998) 80
Mixed-Alkali Effect, Phosphates, X-ray Diffraction 224 (1998) 153
Nuclear Magnetic Resonance, Phosphates 224 (1998) 57
Photoconductivity, Photoinduced Effects, Tellurite Glasses 224 (1998) 43

Oxycarbide Glasses
Sol–Gel Processes 224 (1998) 173

Phosphates
Chalcogenide Glasses, Nuclear Magnetic Resonance, Structure 224 (1998) 69
Corrosion, Glass Formation 224 (1998) 143
Electron Spin Resonance, Glasses Containing Transition Metal Ions 224 (1998) 135
Hydrogen Effects, Nuclear Magnetic Resonance 224 (1998) 163
Mixed-Alkali Effect, Oxides, X-ray Diffraction 224 (1998) 153
Nuclear Magnetic Resonance, Oxides 224 (1998) 57

Photoconductivity
Oxides, Photoinduced Effects, Tellurite Glasses 224 (1998) 43

Photoinduced Effects
Chalcogenides, Crystallization, Thin Films 224 (1998) 283
Fibers, Hydrogen in Glass 224 (1998) 277
Oxides, Photoconductivity, Tellurite Glasses 224 (1998) 43

Processing Variables
Infra-red Absorption, Structure 224 (1998) 184

Raman Spectra
Alkali Silicate Glasses, Differential Thermal Analysis, Nuclear Magnetic Resonance 224 (1998) 50

Reduction
Alkali Silicate Glasses, Glasses Containing Transition Metal Ions, Liquids, Oxidation, Voltammetry 224 (1998) 216

Relaxation
Alloys, Fractals, Fracture 224 (1998) 244

Silicates
Defects, Germanates, Modelling 224 (1998) 191
Nuclear Magnetic Resonance, Structure, Water in Glass 224 (1998) 225

Silicon Alloys
Optical Properties 224 (1998) 201

Sol–Gel Processes
Colloids, Electron Spin Resonance 224 (1998) 17
Corrosion, Doping 224 (1998) 249
Drying, Tin Oxide 224 (1998) 259
Oxycarbide Glasses 224 (1998) 173

Specific Heat
Fragility 224 (1998) 97

Structure
Chalcogenide Glasses, Nuclear Magnetic Resonance, Phosphates 224 (1998) 69
EXAFS, Germania 224 (1998) 23
Halide Glasses, Liquids 224 (1998) 205
Infra-red Absorption, Processing Variables 224 (1998) 184
Nuclear Magnetic Resonance, Silicates, Water in Glass 224 (1998) 225

Surface Reactions
Aerogels, Water in Glass 224 (1998) 92

Tellurite Glasses
Oxides, Photoconductivity, Photoinduced Effects 224 (1998) 43

Thin Films
Chalcogenides, Crystallization, Photoinduced Effects 224 (1998) 283

Tin Oxide
Drying, Sol–Gel Processes 224 (1998) 259

Voltammetry
Alkali Silicate Glasses, Glasses Containing Transition Metal Ions, Liquids, Oxidation, Reduction 224 (1998) 216

Water in Glass
Aerogels, Surface Reactions 224 (1998) 92
Nuclear Magnetic Resonance, Silicates, Structure 224 (1998) 225

XANES
Forming, Nitridation, Nuclear Magnetic Resonance 224 (1998) 232

XPS
Coordination, Germania 224 (1998) 31

X-ray Diffraction
Alloys, Carbon, Differential Thermal Analysis, Mechanical Amorphization 224 (1998) 36
Chalcogenide Glasses, Medium-Range Order 224 (1998) 89
Mixed-Alkali Effect, Oxides, Phosphates 224 (1998) 153